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**From:** Keenan, Dru [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9525DC06E2E74BB89DA45F7E19B2E0CA-KEENAN, DRU]  
**Sent:** 7/6/2016 6:31:37 PM  
**To:** WILLIAMS Heidi B [heidi.b.williams@state.or.us]  
**Subject:** RE: Hydro Permits

Thanks!

*Dru*

Druscilla Keenan  
Office of Water & Watersheds M/S-191  
EPA Region 10  
1200 6th Ave  
Seattle, WA 98101  
206-553-1219  
[keenan.dru@epa.gov](mailto:keenan.dru@epa.gov)

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**From:** WILLIAMS Heidi B [<mailto:heidi.b.williams@state.or.us>]  
**Sent:** Wednesday, July 06, 2016 10:58 AM  
**To:** Keenan, Dru <[keenan.dru@epa.gov](mailto:keenan.dru@epa.gov)>  
**Subject:** RE: Hydro Permits

I will look at the old fact sheets again and see. I'll also look at the dmrs and get back to you.

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**From:** Keenan, Dru [<mailto:keenan.dru@epa.gov>]  
**Sent:** Wednesday, July 06, 2016 10:02 AM  
**To:** WILLIAMS Heidi B  
**Subject:** RE: Hydro Permits

Thanks Heidi, I'll go with that, unless there is a way to access a copy of the first permit Fact Sheet. One more favor, could you please pull some recent DMR data for oil and grease for Oxbow, Hells Canyon, and Bonneville. I thought I could be able to bolster the 10mg/l limit by indicating the ability of the dams meeting it elsewhere.

Thanks for your help

*Dru*

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**From:** WILLIAMS Heidi B [<mailto:heidi.b.williams@state.or.us>]  
**Sent:** Tuesday, July 05, 2016 2:36 PM  
**To:** Keenan, Dru <[keenan.dru@epa.gov](mailto:keenan.dru@epa.gov)>  
**Subject:** RE: Hydro Permits

I spoke with a coworker who used to work on these permits, and who has been here a long time Ex. 6 Personal Privacy (PP)  
Ex. 6 Personal Privacy (PP) He's not sure where it comes from, but he thinks someone derived it, because it seemed reasonable. He thinks it came from the old water quality standards; it's a concentration where it begins to be seen. I know that this is limited on explanations.

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**From:** Keenan, Dru [<mailto:keenan.dru@epa.gov>]  
**Sent:** Tuesday, July 05, 2016 8:55 AM  
**To:** WILLIAMS Heidi B  
**Subject:** RE: Hydro Permits

Thanks!

*Dru*

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**From:** WILLIAMS Heidi B [<mailto:heidi.b.williams@state.or.us>]  
**Sent:** Tuesday, July 05, 2016 8:51 AM  
**To:** Keenan, Dru <[keenan.dru@epa.gov](mailto:keenan.dru@epa.gov)>  
**Subject:** RE: Hydro Permits

Hi Dru.

My 4<sup>th</sup> was very nice. Ex. 6 Personal Privacy (PP)  
Ex. 6 Personal Privacy (PP) I hope yours was good, too.

Good question. Because it was carried over from earlier permits that didn't document things well, I will have to do some investigation. I'll get back to you.

Heidi

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**From:** Keenan, Dru [<mailto:keenan.dru@epa.gov>]  
**Sent:** Friday, July 01, 2016 2:44 PM  
**To:** WILLIAMS Heidi B  
**Subject:** Hydro Permits

Hello Heidi,

I hope all is well and you are enjoying the start of summer and a nice 4<sup>th</sup> of July weekend. I have a quick question regarding the oil and gas limit in your permits (10mg/l). I checked a couple of Permit Fact Sheets(Hells Canyon and Bonneville) and could not find the basis for the limit (because it appears the limits were carried over from the previous permits).

Could you let me know what the basis is for the 10mg/l. I'm considering using it in the permit I'm drafting. What I'm finding in some EPA permits I've reviewed with oil/gas limits is the use of 15mg/l. It would seem to me I should consider downstream state water quality, but it would be useful to know what OR's rationale for 10mg/l is.

Thanks for your help

*Dru*

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